UM175
Wireless USB Modem
User Manual

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CHAPTER 1

BEFORE USING UM175

ABOUT THIS USER MANUAL

PRODUCT OVERVIEW

WHAT'S INSIDE THE PRODUCT PACKAGE

INTRODUCTION TO WIRELESS UM175 USB MODEM

PRODUCT FEATURES

PRODUCT HANDLING

CONFIGURATION

■ ABOUT THIS USER MANUAL

You will find all the information you need to install and use the UM175 in this user manual. Before using the UM175, you must properly install the QLM by closely following the installation instructions.

INSTRUCTIONS

- The software needed to install and configure your UM175 USB device is already included on the device.
- It is highly recommended that you read the safety precautions described in this manual before using the UM175.

■ PRODUCT OVERVIEW

Thank you for purchasing the Alltel Wireless UM175 USB Modem. The UM175 is a 3G wireless device that enables high-speed wireless communication from your laptop or desktop computer. The UM175 is simple to install and use.

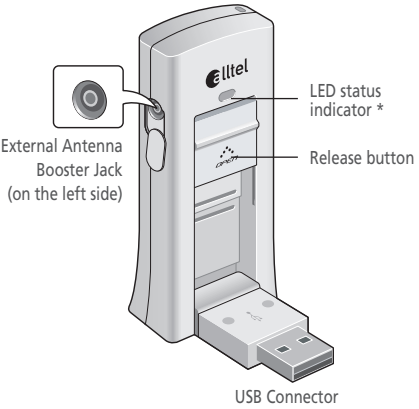
■ WHAT'S INSIDE THE PRODUCT PACKAGE

The following items are included in the product package. If any of the items listed below are missing, please contact the retail location where you purchased the product.

- UM175 Wireless USB Modem
- USB Modem Extension Cable (Y-Cable)
- Quick Start Guide

INTRODUCTION TO ALLTEL UM175 WIRELESS USB MODEM

The Alltel UM175 is designed for your laptop or desktop computer's USB port, which is available in most models. The UM175 can be used to access the Internet, your company's intranet, or you can use it to send and receive email. It is extremely useful when you are away from the office, on the road, or wherever a wireline Internet access is not readily available.



* Blue light: Connected to laptop or desktop computer and detected to network
Red light: Connected to laptop or desktop computer but out of service status

PRODUCT FEATURES

- Power management: The UM175 utilizes power management and system overhead reduction functions provided by the USB interface for maximum power savings.
- Antenna design: Efficient, innovative internal antenna design optimizes data transfer rate and sensitivity to network signals.
- Extension Y Cable connector: Simply insert the USB connector into the USB ports of your computer to deliver a power boost, increased RF performance, and to solve clearance issues.
- USB Modem that supports Type A USB Port interface.
- Supports North American PCS (1900 MHz) and Cellular (800 MHz) bands.
- Utilizes QUALCOMM 6800A chipset.
- Supports 3G network technologies.
- Maximum Data Rate: 3.1 Mbps download; 1.8 Mbps upload.
- Supports Windows XP and Vista systems with installed host software and driver.
- Compatible with Mac OS X 10.4.X (Tiger) or 10.5.X (Leopard) or higher.
- Provides Alltel Wireless Internet service.

PRODUCT HANDLING

1. Do not put any adhesive label on the USB connector. It may leave a sticky residue that can cause problems inside the USB port.
2. The UM175 USB device should easily slide into the USB port. Do not force the UM175 into the USB port as it may cause damage to the modem and/or the port.
3. Keep the UM175 in a dry and clean place. (Storage temperature: -22°F to 149°F [- 30°C to 65°C]). Keep your device away from liquids, dust and excessive heat.

CONFIGURATION

To use the UM175, you should first install the software included on the device and configure the UM175 USB device. See the next section for more information on software installation and USB device configuration.

MEMO

CHAPTER 2

INSTALLATION AND SETUP

THE QUICKLINK MOBILE SETUP PROGRAM

THE QUICKLINK MOBILE SETUP WIZARD

This chapter will guide you through the installation and setup process for QuickLink Mobile. Before getting started, you should become familiar with the documentation that came with your wireless device.

GETTING STARTED (WIN)

Follow these steps to install QuickLink Mobile:

1. Turn on your computer and close all applications.
2. Insert the UM175 into the USB port.
3. If set up does not automatically start:
   a. Click the Start Button
   b. Choose My Computer
   c. Find and double click on the drive icon (UM175AL) that represents the data card.
   d. Run the Start.exe file in the Windows QLM folder to begin the installation
4. Follow the steps in the next section.

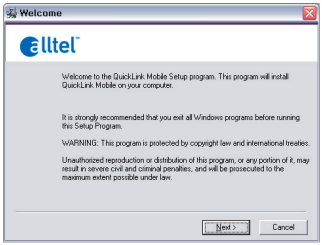
GETTING STARTED (MAC)

Follow these steps to install QuickLink Mobile:

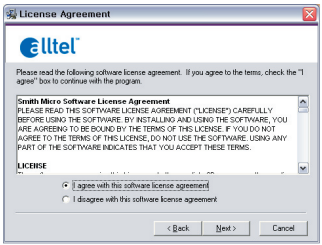
1. Turn on your computer and close all applications.
2. Insert the UM175 into the USB port.
3. Find and double click on the drive icon that represents the data card.
4. Find and run the QuickLink Mobile icon in the MAC QLM folder.
5. Double click the QuickLink Mobile Icon to begin the installation.
6. Follow the steps on page 13.

THE QUICKLINK MOBILE SETUP PROGRAM (WIN)

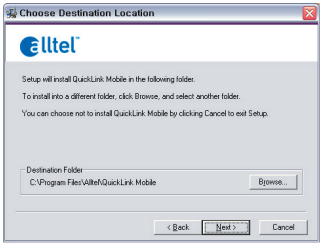
STEP 1: Click the QuickLink Mobile setup program. A "Welcome" Screen appears. Click the "Next" button to continue with the installation process.


Welcome
Welcome to the QuickLink Mobile Setup program. This program will install QuickLink Mobile on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup Program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Next >
Cancel

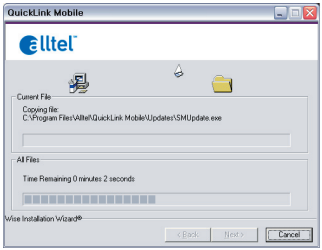
STEP 2: After the Welcome screen you will see the QuickLink Mobile License Agreement. In order to install and use this product you must agree with the terms of this agreement. Select "I agree with this software license agreement," then click the "Next" button to continue. If you do not agree with this agreement, click the "Cancel" button to exit.


License Agreement
Please read the following software license agreement. If you agree to the terms, check the "I agree" box to continue with the program.
Smith Micro Software License Agreement
PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY BEFORE USING THE SOFTWARE. BY INSTALLING AND USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, DO NOT USE THE SOFTWARE. USING ANY PART OF THE SOFTWARE INDICATES THAT YOU ACCEPT THESE TERMS.
LICENSE
I agree with this software license agreement
I disagree with this software license agreement
< Back
Next >
Cancel

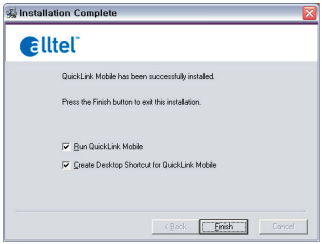
STEP 3: You are now ready to select the location on your computer where the QuickLink Mobile should be installed. It is recommended that you do not modify the default destination folder. Click the "Next" button to continue.


Choose Destination Location
Alltel
Setup will install QuickLink Mobile in the following folder.
To install into a different folder, click Browse, and select another folder.
You can choose not to install QuickLink Mobile by clicking Cancel to exit Setup.
Destination Folder
C:\Program Files\Alltel\QuickLink Mobile
Browse...
< Back
Next >
Cancel

STEP 4: During this step the components of QuickLink Mobile are being installed onto your computer. Installation will occur to the destination folder specified in Step 3 above.



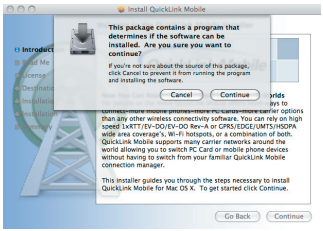
STEP 5: Installation is now complete. Click the "Finish" button to leave the QuickLink Mobile setup program and to begin using your new software.



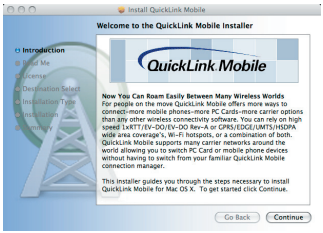
The setup program will automatically create an Access shortcut on your desktop.

■ THE QUICKLINK MOBILE SETUP PROGRAM (MAC)

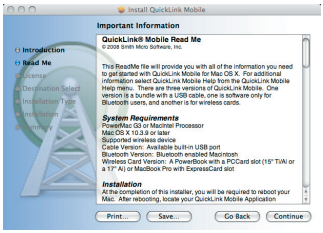
STEP 1: Click the QuickLink Mobile setup program. When pop-up screen shows you to confirm installing the software, click the "Continue" button to continue with the installation process.


Install QuickLink Mobile
This package contains a program that determines if the software can be installed. Are you sure you want to continue?
If you're not sure about the source of this package, click Cancel to prevent it from running the program and installing the software.
Cancel
Continue
than any other wireless connectivity software. You can rely on high speed 1xRTT/EV-DO/EV-DO Rev-A or GPRS/EDGE/UMTS/HSDPA wide area coverage's, Wi-Fi hotspots, or a combination of both. QuickLink Mobile supports many carrier networks around the world allowing you to switch PC Card or mobile phone devices without having to switch from your familiar QuickLink Mobile connection manager.
This installer guides you through the steps necessary to install QuickLink Mobile for Mac OS X. To get started click Continue.
Go Back
Continue

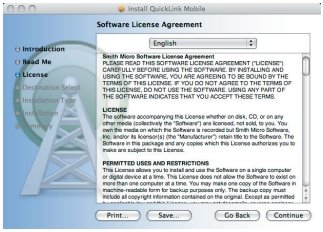
STEP 2: A "Welcome" screen appears. Click the "Continue" button.


Install QuickLink Mobile
Welcome to the QuickLink Mobile Installer
Introduction
Read Me
License
Destination Select
Installation Type
Installation
Summary
QuickLink Mobile
Now You Can Roam Easily Between Many Wireless Worlds
For people on the move QuickLink Mobile offers more ways to connect–more mobile phones–more PC Cards–more carrier options than any other wireless connectivity software. You can rely on high speed 1xRTT/(EV-DO/EV-DO Rev–A or CPRS/EDGE/UMTS/HSDPA wide area coverage's, Wi–Fi hotspots, or a combination of both. QuickLink Mobile supports many carrier networks around the world allowing you to switch PC Card or mobile phone devices without having to switch from your familiar QuickLink Mobile connection manager.
This installer guides you through the steps necessary to install QuickLink Mobile for Mac OS X. To get started click Continue.
Go Back
Continue

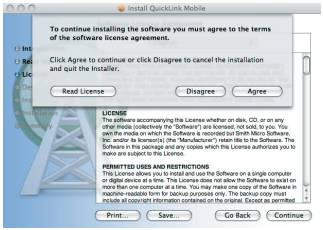
STEP 3: Read the "Read Me" screen and continue installing the software. You may "Print" or "Save" the "Read Me" file for future reference.


Install QuickLink Mobile
Important Information
Introduction
Read Me
License
Destination Select
Installation Type
Installation
Summary
QuickLink® Mobile Read Me
© 2008 Sinith Mobi Software, Inc.
This ReadMe file will provide you with all of the information you need to get started with QuickLink Mobile for Mac OS X. For additional information select QuickLink Mobile Help from the QuickLink Mobile Help menu. There are three versions of QuickLink Mobile. One version is a bundle with a USB cable, one is software only for Bluetooth users, and another is for wireless cards.
System Requirements
PowerMac G3 or Macintel Processor
Mac OS X 10.3.9 or later
Supported wireless device
Cable Version: Available built-in USB port
Bluetooth Version: Bluetooth enabled Macintosh
Wireless Card Version: A PowerBook with a PCCard slot (15" TiAl or a 17" Al) or MacBook Pro with ExpressCard slot
Installation
At the completion of this installer, you will be required to reboot your Mac. After rebooting, locate your QuickLink Mobile Application
Print...
Save...
Go Back
Continue

STEP 4: After the "Read Me" screen, you will see the QuickLink Mobile License Agreement. Carefully read the license agreement and press "Continue" to install the QuickLink Mobile setup program.

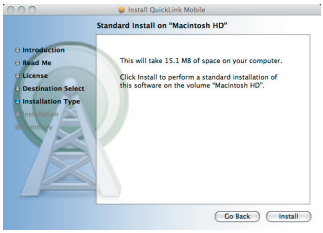

Install QuickLink Mobile
Software License Agreement
English
Introduction
Read Me
License
Destination Select
Installation Type
Installation
Summary
Smith Micro Software License Agreement
PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY BEFORE USING THE SOFTWARE. BY INSTALLING AND USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, DO NOT USE THE SOFTWARE. USING ANY PART OF THE SOFTWARE INDICATES THAT YOU ACCEPT THESE TERMS.
LICENSE
The software accompanying this License whether on disk, CD, or on any other media (collectively the "Software") are licensed, not sold, to you. You own the media on which the Software is recorded but Smith Micro Software, Inc. and/or its licensor(s) (the "Manufacturer") retain title to the Software. The Software in this package and any copies which this License authorizes you to make are subject to this License.
PERMITTED USES AND RESTRICTIONS
This License allows you to install and use the Software on a single computer or digital device at a time. This License does not allow the Software to exist on more than one computer at a time. You may make one copy of the Software in machine-readable form for backup purposes only. The backup copy must include all copyright information contained on the original. Except as permitted
Print...
Save...
Go Back
Continue

In order to install and use this product you must agree with the terms of this agreement. Select "Agree" button to continue. If you do not agree with this agreement, click the "Disagree" button to exit.

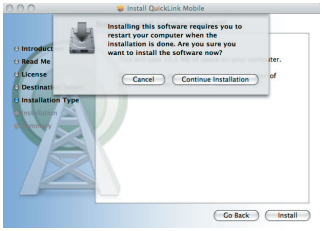

Install QuickLink Mobile
To continue installing the software you must agree to the terms of the software license agreement.
Click Agree to continue or click Disagree to cancel the installation and quit the Installer.
Read License
Disagree
Agree
LICENSE
The software accompanying this License whether on disk, CD, or on any other media (collectively the "Software") are licensed, not sold, to you. You own the media on which the Software is recorded but Smith Micro Software, Inc. and/or its licensor(s) (the "Manufacturer") retain title to the Software. The Software in this package and any copies which this License authorizes you to make are subject to this License.
PERMITTED USES AND RESTRICTIONS
This License allows you to install and use the Software on a single computer or digital device at a time. This License does not allow the Software to exist on more than one computer at a time. You may make one copy of the Software in machine-readable form for backup purposes only. The backup copy must include all copyright information contained on the original. Except as permitted
Print...
Save...
Go Back
Continue

STEP 5: You are now ready to select the location on your computer where the QuickLink Mobile should be installed.

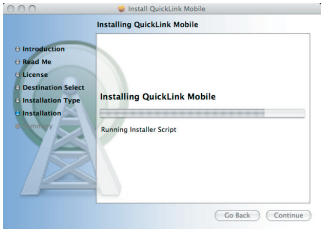
STEP 6: During this step the components of QuickLink Mobile are being installed onto your computer. Installation will occur to the destination folder specified in Step 5 above.



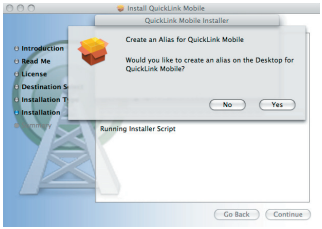
Installing the software requires you to restart your computer when the installation is done. Please check no other programs are running, then press "Continue Installation".



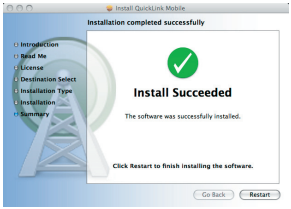
STEP 7: When your computer is running installer script, do not turn your computer off.



If you want to create an access shortcut on your desktop, press "Yes".



STEP 8: Installation is now complete. Click the "Restart" button to leave the QuickLink Mobile setup program and restart your computer.



■ THE QUICKLINK MOBILE SETUP WIZARD

After you have successfully completed the installation process of QuickLink Mobile, you are ready to start the program and begin your initial setup. The steps in the Setup Wizard are critical to the proper operation of QuickLink Mobile when using the UM175 to connect to the Internet.

STEP 1: To start QuickLink Mobile click the Start button, select the Programs menu and choose the Access menu item.

NOTE **NOTE:** In Vista, you must follow the directions to start the QuickLink Mobile Wizard.

STEP 2: On first-run of QuickLink Mobile the Setup Wizard will automatically run. The "Welcome" screen appears.

QuickLink Mobile - Welcome
Welcome to the QuickLink Mobile Setup Wizard. This Wizard will guide you through the process of setting up your system for wireless use.
You are currently running QuickLink Mobile version 4.8.2 (2882x). You can check to see if this is the latest version of this software by pressing the 'Check for Updates' button. This will require a connection to the Internet.
Check for Updates
Press Next to continue
< Back
Next >
Cancel

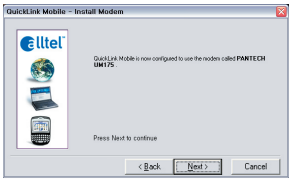
If you have an Internet connection, it is recommended that you check to see if you are running the latest version of QuickLink Mobile. Click the "Check for Updates" button to perform this check.

Click the "Next" button to continue.

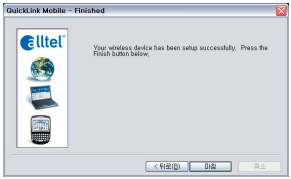
STEP 3: Insert your UM175, then wait for Windows to detect and install drivers for the device.

QuickLink Mobile - Find Wireless Device
Please insert your wireless device now and allow Windows to detect it. The device detection process may take a few minutes.
If you are inserting the wireless device in your computer for the very first time, Windows will automatically install it as a modem.
Waiting for the wireless device to be inserted...
< Back
Next >
Cancel

QuickLink Mobile - Find Wireless Device
Please insert your wireless device now and allow Windows to detect it. The device detection process may take a few minutes.
If you are inserting the wireless device in your computer for the very first time, Windows will automatically install it as a modem.
Press Next to continue
< Back
Next >
Cancel


QuickLink Mobile - Install Modem
QuickLink Mobile is now configured to use the modem called PANTECH UM175 .
Press Next to continue
< Back
Next >
Cancel

STEP 4: The detection and configuration process for your wireless device is now complete. Click "Finish" when complete.



Please familiarize yourself with the information in the "Using QuickLink Mobile" and "Connecting to the Internet" sections of this guide.

NOTE

NOTE: To install the QLM/USB Driver.
(when QLM/USB Divers are aleady installed.)

1) XP/Vista – The user cannot manually reinstall the program and/or drivers after initial auto-installation. To reinstall, first run uninstall from the program menu. Following completion of the uninstall process, reinsert the device and the software will automatically reinstall.
2) MAC – The user cannot manually reinstall the program and/or drivers after the first installation. To reinstall, first run uninstall from the program menu. Following completion of the uninstall process, reinsert the device. The folder will appear with the necessary software file for fresh installation. You can then reinstall as needed.

CHAPTER 3

USING QUICKLINK MOBILE

FEATURES

GETTING STARTED

CONNECTING

USING DIAL UP CONNECTIONS

Today's online world offers more services everyday and Alltel Wireless gives you the tools you need to take advantage of the best in connectivity solutions. With QuickLink Mobile, enjoy the freedom and convenience of wireless Internet connectivity from your computer!

FEATURES

WWAN (WIRELESS WIDE AREA NETWORK, 1xEV-DO/1xRTT/CDMA) SPECIFIC FEATURES

- Configures your laptop or desktop computer to use your wireless device as a modem.
- Creates an Alltel Wireless Internet connection.
- Copy utility to create wireless copies of your dial-up connections, if supported by your device.
- Signal strength display for your Wireless USB Modem.
- Features a test function for your WWAN device.

NOTE: A WWAN capable device is required to use the WWAN features. Individual WWAN features are also device dependent as described in the WWAN section above.

OTHER FEATURES

- Can also be used to launch all of your dial-up networking connections, if desired.
- Can launch your browser, e-mail client, VPN or a program of your choice upon connection.
- Logs connections used, duration and bytes sent and received.

• See the section "Additional Features" for more information about the features of QuickLink Mobile.

GETTING STARTED

Double click on the QuickLink Mobile icon on your desktop or click on the Windows Start menu and select QuickLink Mobile from the list of Programs.

WINDOWS

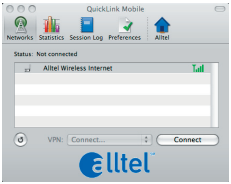
MAC

ABOUT THE NETWORKS VIEW

The QuickLink Mobile will open the Wireless Networks window by default. This view is where you manage your wireless connections. The Wireless Networks window displays all currently available network connections.

At a glance you can see the signal strength. Select "Refresh Networks" from the "Tools" menu to update the information in this panel. Your current connection state and the elapsed time of the connection are displayed along the bottom of the status bar.

WINDOWS



MAC

If your expected connection does not appear or if you connected your wireless phone and cable, or inserted your UM175 after starting QuickLink Mobile, select "Refresh Networks" from the "Tools" menu. This will cause QuickLink Mobile to look for your wireless device(s) and verify network availability.

NOTE: If you change devices, you will need to run the Setup Wizard again. To do this make sure that your phone and cable are connected, then select "Run Wizard" from the "Tools" menu.

CONNECTING

Once your device is properly configured, connecting to the Internet is as simple as selecting the network connection type shown in the list and clicking the connect button.

1. Select Alltel Wireless Internet.
2. Click the "Connect" button when it becomes enabled.

Once connected, the "Connect" button will change to "Disconnect". Simply click this to end your current connection. To connect to any other network shown, select it, and then select "Connect".

THE STATUS BAR

Information regarding your current network connection can be seen in the status bar along the bottom of the QuickLink Mobile interface. For more information on this status bar, see the section "The Status Bar" in the "Additional Features" section.

NOTE **NOTE:** If you are using a WWAN (1xEV-DO/1xRTT/CDMA) device that supports the Alltel Wireless Dial-Up-Data service and you made wireless copies of your dial-up accounts, they will also appear. See the section "Creating Wireless Copies of your Dial-Up Connections". Optionally you can have all dial-up connections appear in QuickLink Mobile and use it to launch any dial-up networking connection.

NOTE **NOTE:** In Macintosh, a connectivity warning message will appear when you connect to the Alltel Wireless Internet connection for the first time. You have the option to suppress these warning messages when they are displayed.

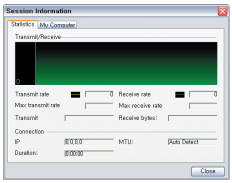
QuickLink Mobile will display status information at the bottom during the connection process as well as while connected. When not connected, the status text will display "Not connected" for the currently selected network. The timer will display "00:00:00". Once connected, the status text will display "Connected" and the elapsed timer will begin to run.

The pop up status can be turned off, if desired, by selecting "Options", "Preferences", "Options" tab, then un-checking "Show popup status windows by tray". Right clicking on the tray icon provides various options and double clicking on it will always show the application. Placing your cursor on it will display the current connection status.

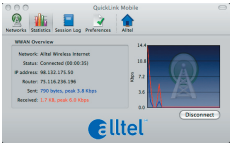
Based on your preferences, your browser, e-mail or VPN program can be launched automatically, or you can launch whatever software you want to use. You can determine if all connections appear in the drop down list or only your wireless ones.

NOTE: Always use QuickLink Mobile when connecting via the Alltel Wireless Internet connection.

At any time during your connection you can check your current connection speed and throughput stats in the Statistics tab of the Session Information window. To see this window, select “Statistics” from the “Session” menu.



WINDOWS



MAC

The Session Information window will also contain a My Computer tab if applicable. The My Computer tab contains detailed information about your computer. This information is helpful when troubleshooting a problem.

If you are using the Alltel Wireless Internet connection and the call fails when you try to connect, with QuickLink Mobile returning to its idle state, you should try to connect again.

If you feel you may have incorrectly entered your wireless device number during initial setup, select “Tools”, “Run Wizard”.

Dormancy: Alltel Wireless Internet data sessions become dormant if you are not sending or receiving any data. As soon as you resume sending or receiving data, the data session will return to an active state.

USING DIAL UP CONNECTIONS

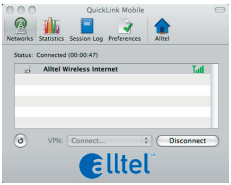
This section is only applicable if you are using a WWAN Device that supports Dial-Up connections.

You can make wireless copies of existing dial up accounts on your system. This will wirelessly enable them and allow you to connect to them wirelessly.

To launch the copy utility, select "Options", "Dial-up Accounts" then "Copy".

Click on the connection or connections you want to copy and click on the "OK" button.

WINDOWS



MAC

The new connection will have a suffix of "(Wireless)" and will be set to use your wireless phone as the modem. If the utility is unable to automatically recognize your existing area code and number, the existing number will be displayed, and you will be prompted to enter the area code and number. The utility configures the new wireless connections to always dial 11 digits, so that they will work locally and also in other digital data coverage areas.

If it is determined that the connection might benefit by further optimization, an additional connection with a "(Wireless Optimized)" suffix, will also be created. This

connection may connect faster. If you have trouble with the "(Wireless Optimized)" connection, you can delete it from your dial-up networking folder and use the "(Wireless)" connection.

TO DELETE CONNECTIONS:

Windows XP and Vista users can access Dial-Up Networking from QuickLink Mobile by selecting "Tools," "Control Panels," "Network and Dial-up Connections," then right click on the desired connection and select "Delete."

CHAPTER 4

QUICKLINK MOBILE PREFERENCES

GENERAL PREFERENCES

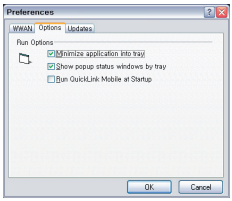
WWAN SPECIFIC SETTINGS

ADDITIONAL FEATURES

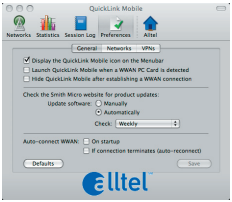
GENERAL PREFERENCES

OPTIONS TAB

Click on "Options", then "Preferences".



WINDOWS



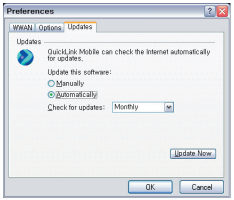
MAC

Minimize application into tray: When you minimize the application it will now show in the Windows task bar. To restore the application click on the QuickLink Mobile tray icon, and select "Show Application".

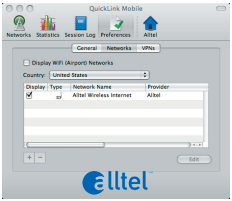
Show popup status windows by tray: Displays small popup sliding windows in the lower right corner of the screen when connections are made, and when network connections are lost.

Run QuickLink Mobile at Startup: Automatically launches QuickLink Mobile whenever you start your computer.

UPDATES TAB



WINDOWS



MAC

This feature allows QuickLink Mobile to automatically check for software updates. If an update is available, you will be notified of its size and approximate download times if using Alltel Wireless Internet.

You will be given the choice to download or cancel. If you select download, a display appears that shows the progress as the update is downloading with the option to cancel if desired. You do not need to download the updates wirelessly; you can use any connection to the Internet.

NOTE

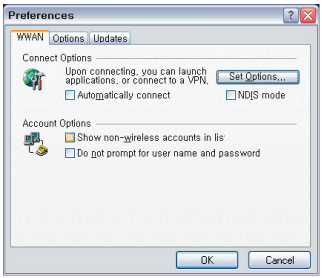
NOTE: If you download the updates wirelessly, normal usage charges apply.

You can allow the software to automatically check for updates, daily, weekly, or monthly (default). It only checks when the application is running and when it detects that you are connected and able to access to the Internet. If desired, you can select "Manually" and the software will only check for updates when you select "Update Now", or when you select, from QuickLink Mobile's main screen, "Help", "Check for Updates".

■ WWAN SPECIFIC SETTINGS

WWAN PREFERENCES

Click on “Options”, then “Preferences”.



WWAN OPTIONS

Set Options . . . : This is used to set various WWAN connection settings. See below.

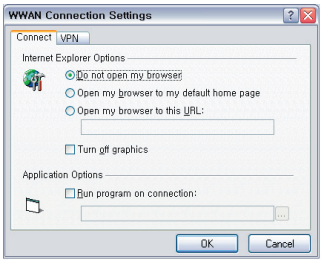
Automatically Connect: If desired, you can select to have QuickLink Mobile automatically connect to Alltel Wireless Internet at application startup.

Show non-wireless accounts in list: If you select this option all of your dial up accounts will appear in QuickLink Mobile’s list of accounts, allowing you to use QuickLink Mobile to launch them instead of Dial-Up Networking. With this option unchecked, the only connections that are displayed in QuickLink Mobile’s list of accounts are the Alltel Wireless Internet, (depending on your wireless phone/device capabilities) and any Wireless connections you have created, manually or with the Copy Accounts Wizard.

Do not prompt for user name and password: If you are only using the Alltel Wireless Internet connection, this setting has no effect. If you created Wireless connections to dial into other networks or have existing connections you are going to launch using QuickLink Mobile, checking this option will skip the screen that normally asks for your user name and password. For this to work you will have had to connect previously, successfully saving your user name and password.

CONNECT TAB

When you select the "Set Options" button from the screen above, the following options will appear (**Options > Preferences > WWAN tab > Set Options . . .**) :



Do not open my browser: With this option selected, when you connect to a WWAN network, QuickLink Mobile will not automatically launch your default web browser.

Open my browser to my default home page: With this option selected, when you connect to a WWAN network (Alltel Wireless Internet), QuickLink Mobile will automatically launch your default web browser and load your home page.

Open my browser to this URL: With this option selected, when you connect to a WWAN network (Alltel Wireless Internet), QuickLink Mobile will automatically launch your default web browser but do it in such a way that the URL you specify will load instead of your home page.

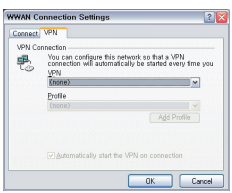
Turn off graphics: If you select this it will turn off graphics in Internet Explorer.

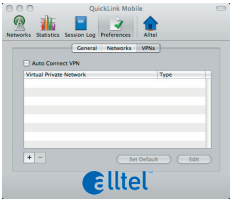
With these options off, web pages will load faster but you will have to right click and select "show picture" for any pictures you want to see. With the added performance of the internet accelerator software when using the Alltel Wireless Internet connection, most users prefer to see graphics and have audio support, so the default setting for both options is unchecked.

Run program on connection: This allows automatically running a program when you use QuickLink Mobile to connect to a WWAN network. Select the browse button, , to browse to the desired application you want to run when you connect to a WWAN network using QuickLink Mobile. The application will run for all WWAN connections made from QuickLink Mobile.

VPN TAB

The following options exist on the VPN tab (Options > Preferences > WWAN tab **> Set Options. . . > VPN** tab) :





WINDOWS MAC

VPN Client: QuickLink Mobile automatically detects if certain VPN clients like Microsoft®, Cisco®, CheckPoint®, etc are installed on the computer and allows you to select the one you wish to use. Check with your network administrator to setup your VPN connection.

If the VPN client you wish to use does not appear in the list, you can select "Other VPN Application".

Other VPN Application: This allows running a VPN program when QuickLink Mobile connects to a network. Enter the full path to an executable, or select the browse button, ... , to find the path to the desired application.

■ ADDITIONAL FEATURES

In addition to the basic features mentioned in previous sections, QuickLink Mobile also has the additional features listed below.

THE STATUS BAR

The details of your current connection can be seen in the status bar at the bottom of the QuickLink Mobile interface. This status bar is always visible when the interface is fully expanded.

CONNECTION STATUS

The text on the status bar reflects your current state. During an active connection, this text will change to "Connected". If you are not connected, it will display "Not Connected".

WWAN WIRELESS DEVICE STATUS AREA

The text can change to the following:

- Device not inserted: Your device is removed from the computer.
- Device not activated: Your device needs to be activated. Select Activation from the Tools menu.

NDIS

The following icons also appear on the status bar to indicate your device's NDIS status:

	NDIS is enabled and connected
	NDIS is enabled but disconnected
(No NDIS image)	NDIS is disabled.

NOTE: NDIS is only available in Windows OS.

THROUGHPUT

The amount of data that you have sent and received since the current network connection was initiated can be seen by holding the mouse over the green up and down arrows on the left side of the status bar.

ELAPSED TIME

The amount of time that has elapsed since the current network connection was initiated is tracked on the lower left side of the status bar.

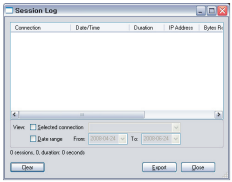
THE SESSION MENU

Connect / Disconnect: You can connect or disconnect the wireless networks.

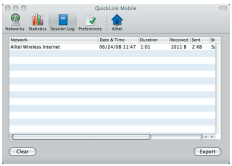
Log: This provides a concise session log of your network activity. Click on a column heading to sort the log. This window also displays the total number of sessions as well as the total time connected.

NOTE Note that this does not work while NDIS is enabled.

The information displayed in the Usage log can be customized using the controls that appear just below the list.



WINDOWS



MAC

To view only the connection history of a specific network type, check the "Selected connection" checkbox and select the desired type from the drop-down list. To view only the connections made during a specific interval, check the "Date range" checkbox and specify the date in the "From:" and "To:" fields.

To export this log as a CSV file, click the Export button. To clear the log, press the Clear button. Note that clearing the log cannot be undone.

Statistics: If you selected to detect and install Alltel software during installation, there will be a Wireless statistics tab with additional information and tools that are helpful in

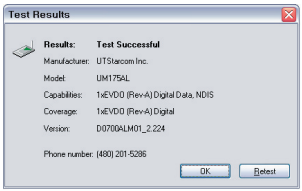
the event any troubleshooting of the connection is required. You can view key statistics including bandwidth and your IP address information, release your IP address, and renew your IP address. If you selected to detect and install a WWAN device during installation, there will be a Statistics tab that will show data speeds during a session when using the WWAN device. There is also a "My Computer" tab; this tab has key information about your computer that may be helpful in troubleshooting any problems that may occur. It also includes the option of e-mailing Alltel Wireless Technical Support.

Close: Exit the application.

THE TOOLS MENU

Refresh Networks: This causes QuickLink Mobile to verify connected devices and to scan for available Networks. Use this feature if you connected your equipment after launching QuickLink Mobile. Pressing the F6 function key can also access this option.

Test WWAN Device: Retrieve and display detailed information about your WWAN device such as manufacturer, model, version, etc. Furthermore, you can view the current battery and signal strengths. This information can be valuable when troubleshooting a problem.



Run Wizard: Runs the Setup Wizard again. Useful if you need to reconfigure QuickLink Mobile to use a new mobile handset or Wireless Internet Card.

Activation: Programs the phone number, MIN, and SID to the UM175.

Alltel Wireless Internet Setup: Please contact the service provider for details.

THE OPTIONS MENU

Control Panels: From this menu you have access to your systems "Modem", "Network and Dial-Up Connections", and "Internet" control panels. You can also see all control panels by selecting "All".

Dial-Up Accounts: Add, edit, or copy wireless dial-up accounts.

- **Add Wireless:** This is used to create a wireless dial-up connection from scratch.

- **Add Other:** This is used to create a regular dial-up connection from scratch.
- **Edit:** This is used to edit the properties of any dial-up connection.
- **Copy:** See section on Using Dial-Up Connections.

Power ON / Power OFF: This is used to power the on/off Wireless Internet Card.

Preferences: This is used to select preferences for settings related with connection. Please see WWAN Specific Settings for details.

Always on Top: When checked, the QuickLink Mobile window displays in front of all other open application windows, even if another window is placed over QuickLink Mobile Software window.

THE "INTERNET" BUTTON

Launches the default web browser on your computer.

THE "EMAIL" BUTTON

Launches the default email application on your computer.

THE HELP MENU

Displays a variety of help options available to you. Click this button to find assistance with a problem, to explore the full range of Alltel Wireless services, or to contact Alltel Wireless.

Contents: Launches this help file. You can also access this help file from your UM175.

Check for Updates: Can be used with any connection to the Internet to check for software updates for QuickLink Mobile. Note: If downloading an update wirelessly, normal usage charges apply.

Alltel Home Page: Takes you to the Alltel Wireless home page that contains information about wireless devices, useful tips and hardware manuals.

Customer Service: This option will attempt to launch your mail client with the default address to e-mail Alltel Wireless Support.

About QuickLink Mobile: Displays the software version.

CHAPTER 5

INSTALLING UM175

PRECAUTIONS

RECOMMENDED SYSTEM REQUIREMENTS

INSTALLING SOFTWARE

UNPLUGGING OR EJECTING THE DEVICE

USB MODEM EXTENSION CABLE

■ PRECAUTIONS

- Once the modem has been inserted into the laptop or desktop computer, do not remove it without first completing the unplugging/ejection process.

■ RECOMMENDED SYSTEM REQUIREMENTS

To successfully install and use the UM175 USB device in your laptop or desktop computer, the following system specifications are required.

Item	Required Specification
• **Operating system**	Windows® Vista / Windows® XP / Mac OS X 10.4.X (Tiger) or higher
• **Connection**	Type A USB port
• **Processor**	166MHz or faster
• **Memory**	32 MB
• **Disk space**	130 MB

* The UM175 is useful for Pocket PCs that include a USB port. SMS and voice service is not supported.

INSTALLING SOFTWARE

INSTALLATION

- If you install QuickLink Mobile, it will install the USB Driver for the UM175. Follow the instructions from the QuickLink Mobile for installation.

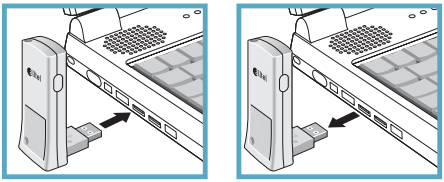
WARNINGS!

- Make sure to complete the unplugging/ejection process BEFORE removing the UM175. If you remove the device improperly, the product may be damaged.

NOTES

- If you have inserted the device properly, Windows will inform you of the new hardware. Wait until Windows completes the "Found New Hardware" task. In Windows XP, several tool tips similar to the "Found New Hardware" function will appear and disappear in the system tray automatically. In Windows Vista, several tool tips similar to the "Installing device driver software" function will appear and disappear in the system tray automatically. Once hardware detection is complete, you will be prompted to start activation.

- It is normal to hear a short beep sound each time you insert or remove the UM175. It is an audible notification that your laptop or desktop computer recognizes the new hardware.

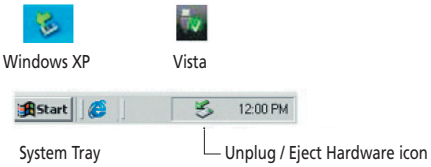


■ UNPLUGGING OR EJECTING THE DEVICE

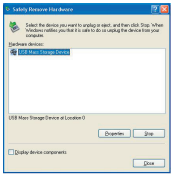
Make sure to complete the unplug/eject process on your computer BEFORE removing the UM175 from your PC. If you remove the USB device improperly, the product may be damaged.

- WINDOWS

  When disconnecting the UM175 from the computer, close all windows and quit all running applications that are stored on the device and double click the Unplug/Eject Hardware icon in the System tray.



When you press the Unplug/Eject icon in the system tray, the pop-up window will appear.

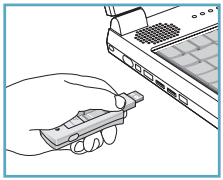

Safely Remove Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so, unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
USB Mass Storage Device at Location 0
Properties
Stop
Display device components
Close

Click the [Stop] button. Now, you can remove the UM175 from your PC.

- MACINTOSH

When disconnecting the UM175 from the computer, close all windows and quit all running applications that are stored on the device and drag the device's icon into the trash to dismount it from the Desktop prior to unplugging the device from the USB port or Hub.

NOTE When removing the UM175, always grip the top and bottom of the modem and push/pull carefully.

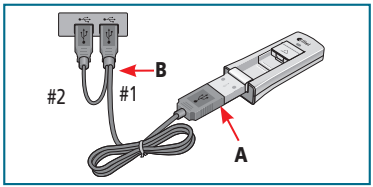


■ USB MODEM EXTENSION CABLE

The UM175 USB Modem package includes an extension USB Y-shaped cable. Although the cable is not required for use with your UM175 modem, it offers increased performance for your UM175 modem under certain operating conditions. Simply insert the USB connector into the USB port of your computing device to deliver power boost, increased RF performance, and to solve clearance issues.

USING THE USB MODEM EXTENSION CABLE:

1. Plug the single end of the Y-shaped cable into the UM175 Modem. [A]
2. Depending on the condition you are trying to solve (power boost, increased RF performance, or clearance issues), plug either one of the two connected ends of the USB modem extension cable into the Type A USB port(s) on your computer. [B]



NOTE

The USB modem extension cable connector labeled #1, is the primary data power cable used to either extend the UM175 modem away from your computer allowing you to locate the modem in a more optimum signal location or solve any computer USB port clearance issues. The USB modem extension cable connector labeled #2, is a power boost cable and must be used with connector #1 to provide the modem up to 1Amp of current for use in weaker signal areas.

3. The device is connected to and powered by the computer as soon as the USB cable is plugged properly into the appropriate Type A USB port(s).
4. Launch the QuickLink Mobile and click “Connect”.

MEMO

CHAPTER 6

REGULATORY AND SAFETY INFORMATION

REGULATORY NOTICES

OPERATING CONDITIONS

WARNINGS AND CAUTIONS

SAFETY PRECAUTIONS

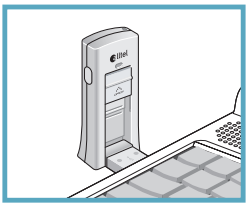
■ REGULATORY NOTICES

UM175 complies with Parts 15, 22, and 24 of the FCC rules. It has been tested with a typical personal computer with a USB port. This USB device must not be co-located or operated in conjunction with any other antenna or transmitter. If you use this USB device in any other configuration, the FCC RF Exposure compliance limit can be exceeded.

■ OPERATING CONDITIONS

❶ This device may not cause harmful interference must accept any interference received, including interference that may cause undesirable operations.

❷ The manufacturer stipulates that the antenna should be more than 1.5 cm (0.60”) from by-standers and 1.0cm (0.39”) from the user.



WARNINGS AND CAUTIONS

1. Modifying or changing this USB device without express authorization can nullify compliance with RF exposure guidelines.
2. This USB device has been tested and found to comply with the limits pursuant to Part 15, 22, and 24 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when appropriately installed. This USB device generates, uses, and can radiate radio frequency and, if not installed and used according to the instructions provided, it may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in any particular installation.
3. If this USB device does cause harmful interference with radio or television signals (determine this by turning the USB device off and on), attempt to correct the interference by trying one or more of the following:
   - Reorient or relocate the antenna.
   - Increase the separation between the USB device and receiver.
   - Connect the USB device into an outlet on a circuit different from that to which the receiver is connected.
   - Consult the dealer or an experienced radio/TV technician for help.
4. This USB device does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference causing equipment standard entitled "Digital Apparatus", ICES-003 of the Department of Communications.

5. If you have purchased this product under a United States Government contract, it shall be subject to restrictions as set forth in subparagraph (C)(1)(ii) of Defense Federal Acquisitions Regulations (DFARs) Section 252.227-7013 for Department of Defense contracts, and as set forth in Federal Acquisitions Regulations (FARs) Section 52.227-19 for civilian agency contracts or any successor regulations. If further government regulations apply, it is your responsibility to ensure compliance with such regulations.

SAFETY PRECAUTIONS

1. Data transmission and reception cannot be guaranteed because of the nature of wireless communications. Data can be delayed, corrupted or lost during transmission. Even though it is quite rare that significant data delay or loss occurs if the USB device is used in a normal manner, this USB device should not be used in cases that data transmission or reception failure could result in damage of any kind to the user or another party, including but not limited to personal injury, death or loss of personal property. UTStarcom bears no responsibility for damages or losses of any kind resulting from delays or errors in data transmission using the USB device, or for failure of the USB device to transmit or receive such data.
2. Do not use this USB device in areas where blasting is in progress, where explosive atmospheres may be present, near medical equipment, life support equipment, or any equipment which may be susceptible to any form of radio interference. Turn off this USB device in these areas, since it can transmit signals that could interfere

with this equipment.

❸ Do not use this USB device in any aircraft whether the aircraft is on the ground or in flight. Make sure to turn off this USB device in aircraft. If used in an aircraft, it can transmit signals that could interfere with various aircraft systems.

❹ Do not use this USB device while driving a car, since it can distract the driver. In some area, using the communication device while driving a car is illegal.

* WARNING: This product contains a chemical known to the State of California to cause cancer.

* WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

MEMO

CHAPTER 7

APPENDIX

GLOSSARY

SPECIFIC ABSORPTION RATES (SAR)

SAFETY INFORMATION FOR RF EXPOSURE

U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

GLOSSARY

Analog Coverage

An area where analog service is available. Analog phones usually indicate signal strength on an indicator in the phone's display when receiving an analog signal.

Browser

The software that allows you to view the Internet; contains navigator commands such as forward and back; examples include Netscape, Microsoft Explorer. A Web browser in your computer requests HTML files from Web servers and takes you to the Internet sites you wish to visit, by linking your computer's IP address to a site's IP address.

COM PORT (communications port)

A connector for a communications interface, usually, a serial port.

Data

Information kept in databases, on an intranet, on the Internet, etc.

Driver

Software that controls a device.

Inactivity Time-Out

A stoppage in a connection, which usually occurs after a period of time elapses, without activity. Time-out settings are usually determined by the network.

Internet

A cooperatively run, globally distributed collection of computer networks that exchange information via a common set of rules for exchanging data (Transfer Control Protocol/Internet Protocol or TCP/IP).

Intranet

An intranet is a web site created by a business, which posts its own company information in a secure part of the Internet that only employees or other authorized users can reach. Intranets are generally protected by firewalls.

Kbps

Kilobits per second.

Kilobyte (KB)

1024 bits (Approximately 1/2 page of plain text)

Modem

Hardware that translates and transmits data over wire-line or wireless.

Package Minutes

Package minutes are those minutes included in the cost of a monthly service plan. Once the packaged minutes have been exhausted, additional airtime charges apply. Please refer to Plans and Pricing for more information, details and offers in your area.

Packet Switching

Packet-switching messages are divided into packets or pieces before transmission over one or more routes and are reassembled at their destination.

POP3 e-mail

Protocol used by ISP's mail servers to manage e-mail for subscribers. E-mail clients such as Microsoft Outlook support POP3.

Proxy Settings

A specific I.P. address that allows access to a secured enterprise network. The proxy settings provide directions to a computer so that it can locate an address and access information and services, which exist at that location.

Search Engine

A program that receives a user's search request, compares it to the entries in the index, and returns results to help the user find relevant information.

Serial Port

A connector on a computer used to connect peripherals, which communicate using a serial protocol.

Serial/Data Cable

A wire that connects two serial ports carrying data to one another.

Transmission Speed

The rate at which data is sent over a communications line, usually measured in kilobits (kbps).

USB Cable

A wire connecting two USB ports carrying data to one another.

USB Port

A connector on a computer to connect peripherals using USB (Universal Serial Bus) protocol.

SPECIFIC ABSORPTION RATES (SAR)

Maximum: SAR 1.19 W/kg CDMA835 Body
SAR 0.854 W/kg PCS1900 Body

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. *

Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the

limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use when worn on the body, as described in this user guide, is 1.19 W/Kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/ oet/fccid after searching on **FCC ID: PP4PX-700**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com.com.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a sub-stantial margin of safety to give additional protection for the public and to account for any variations in measurements.

SAFETY INFORMATION FOR RF EXPOSURE

BODY WORN OPERATION

This device was tested in multiple notebook computer configurations with USB port configurations for typical near-body operations with the back of the USB Modem kept 20mm from the body. To maintain compliance with FCC RF exposure requirements, it can be used in notebook computers with substantially similar physical dimensions, construction, electrical and RF characteristics, and that maintain a minimum 20mm separation distance between the user's body and the back of the USB Modem, including the antenna. The antenna(s) used for this USB Modem must not be co-located or must not operate in conjunction with any other antenna or transmitter within a host device.

SAFETY INFORMATION

SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

INTERFERENCE TO MEDICAL DEVICES

Certain electronic equipment may be shielded against RF signal from your wireless phone. (Pacemakers, Hearing Aids, and so on) Turn your phone OFF in health c are facilities when any regulations posted in these areas instruct you to do so. RF signals may affect improperly installed or inadequately shielded electronic system in motor vehicles.

EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna. Do not touch the antenna unnecessarily when the phone is in use. Do not move the antenna close to, or couching any exposed part of the body when making a call.

FCC COMPLIANCE INFORMATION

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received. This includes interference that may cause undesired operation.

U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

INFORMATION TO THE USER

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful Interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

*- Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.

*- Connect the equipment into an outlet of a circuit different from that to which the receiver is connected.

*- Consult the dealer or an experienced radio/TV technician for assistance.
Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Connecting of peripherals requires the use of grounded shielded signal cables.

FCC ID: PP4PX-700

Warning:

Exposure to Radio Frequency Radiation

The radiated output power of this device is far below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should not be less than 20mm during normal operation. The gain of the antenna for Cellular band must not exceed 3.5 dBi. The gain of the antenna for PCS band must not exceed 6 dBi.